

Claims

What is claimed is:

1 1. A method of managing workload of a computing
2 environment, said method comprising:

3 managing workload across two or more partitions of
4 a plurality of partitions of said computing
5 environment;

6 said managing comprising dynamically adjusting
7 allocation of a shareable resource of at least one
8 partition of said two or more partitions, wherein
9 workload goals of said two or more partitions are being
10 balanced.

1 2. The method of claim 1, wherein said dynamically
2 adjusting is performed transparently to work processing
3 within said at one least one partition.

1 3. The method of claim 1, wherein said shareable
2 resource comprises at least one of central processing unit
3 resources, logical processor resources, input/output
4 resources, channel resources, coprocessors, network
5 adapters, and memory.

1 4. The method of claim 1, wherein said dynamically
2 adjusting comprises moving at least a portion of said
3 shareable resource from one partition to at least one other
4 partition.

1 5. The method of claim 1, wherein said dynamically
2 adjusting comprises managing said shareable resource among
3 said two or more partitions based on priority.

1 6. The method of claim 1, wherein said dynamically
2 adjusting comprises assigning said shareable resource among
3 said two or more partitions based on percentage allocation,
4 wherein each partition of said two or more partitions is
5 assigned a percentage of said shareable resource.

1 7. The method of claim 1, wherein said partitions are
2 logical partitions.

1 8. The method of claim 1, wherein said dynamically
2 adjusting comprises adjusting allocation of a plurality of
3 shareable resources.

1 9. The method of claim 1, wherein said dynamically
2 adjusting is controlled at least in part by at least one
3 workload manager of said computing environment.

1 10. The method of claim 1, wherein said dynamically
2 adjusting comprises increasing allocation of said shareable
3 resource.

1 11. The method of claim 1, wherein said dynamically
2 adjusting comprises decreasing allocation of said shareable
3 resource.

1 12. The method of claim 1, wherein said dynamically
2 adjusting is performed without a requirement for data
3 sharing.

1 13. A method of managing workload of a computing
2 environment, said method comprising:

3 managing workload across two or more partitions of
4 a plurality of partitions of said computing
5 environment, wherein said two or more partitions
6 concurrently share at least one shareable resource;

7 said managing comprising dynamically adjusting
8 allocation of said shareable resource of at least one
9 partition of said two or more partitions.

1 14. The method of claim 13, wherein said shareable
2 resource comprises at least one of central processing unit
3 resources, logical processor resources, input/output
4 resources, channel resources, coprocessors, network
5 adapters, and memory.

1 15. The method of claim 13, wherein workload goals of
2 said two or more partitions are being balanced.

1 16. The method of claim 13, wherein said dynamically
2 adjusting comprises increasing allocation of said shareable
3 resource.

1 17. The method of claim 13, wherein said dynamically
2 adjusting comprises decreasing allocation of said shareable
3 resource.

1 18. The method of claim 13, wherein said dynamically
2 adjusting comprises moving at least a portion of said
3 shareable resource from one partition to at least one other
4 partition.

1 19. The method of claim 13, wherein said dynamically
2 adjusting comprises managing said shareable resource among
3 said two or more partitions based on priority.

1 20. The method of claim 13, wherein said dynamically
2 adjusting comprises assigning said shareable resource among
3 said two or more partitions based on percentage allocation,
4 wherein each partition of said two or more partitions is
5 assigned a percentage of said shareable resource.

1 21. The method of claim 13, wherein said dynamically
2 adjusting comprises adjusting allocation of a plurality of
3 shareable resources.

1 22. A system of managing workload of a computing
2 environment, said system comprising:

3 means for managing workload across two or more
4 partitions of a plurality of partitions of said
5 computing environment;

6 said means for managing comprising means for
7 dynamically adjusting allocation of a shareable
8 resource of at least one partition of said two or more
9 partitions, wherein workload goals of said two or more
10 partitions are being balanced.

1 23. The system of claim 22, wherein the dynamically
2 adjusting is performed transparently to work processing
3 within said at one least one partition.

1 24. The system of claim 22, wherein said shareable
2 resource comprises at least one of central processing unit
3 resources, logical processor resources, input/output
4 resources, channel resources, coprocessors, network
5 adapters, and memory.

1 25. The system of claim 22, wherein said means for
2 dynamically adjusting comprises means for moving at least a
3 portion of said shareable resource from one partition to at
4 least one other partition.

1 26. The system of claim 22, wherein said means for
2 dynamically adjusting comprises means for managing said
3 shareable resource among said two or more partitions based
4 on priority.

1 27. The system of claim 22, wherein said means for
2 dynamically adjusting comprises means for assigning said
3 shareable resource among said two or more partitions based
4 on percentage allocation, wherein each partition of said two
5 or more partitions is assigned a percentage of said
6 shareable resource.

1 28. The system of claim 22, wherein said partitions
2 are logical partitions.

1 29. The system of claim 22, wherein said means for
2 dynamically adjusting comprises means for adjusting
3 allocation of a plurality of shareable resources.

1 30. The system of claim 22, wherein said means for
2 dynamically adjusting is controlled at least in part by at
3 least one workload manager of said computing environment.

1 31. The system of claim 22, wherein said means for
2 dynamically adjusting comprises means for increasing
3 allocation of said shareable resource.

1 32. The system of claim 22, wherein said means for
2 dynamically adjusting comprises means for decreasing
3 allocation of said shareable resource.

1 33. The system of claim 22, wherein said means for
2 dynamically adjusting is performed without a requirement for
3 data sharing.

1 34. A system of managing workload of a computing
2 environment, said system comprising:

3 means for managing workload across two or more
4 partitions of a plurality of partitions of said
5 computing environment, wherein said two or more
6 partitions concurrently share at least one shareable
7 resource;

8 said means for managing comprising means for
9 dynamically adjusting allocation of said shareable
10 resource of at least one partition of said two or more
11 partitions.

1 35. The system of claim 34, wherein said shareable
2 resource comprises at least one of central processing unit
3 resources, logical processor resources, input/output
4 resources, channel resources, coprocessors, network
5 adapters, and memory.

1 36. The system of claim 34, wherein workload goals of
2 said two or more partitions are being balanced.

1 37. The system of claim 34, wherein said means for
2 dynamically adjusting comprises increasing allocation of
3 said shareable resource.

1 38. The system of claim 34, wherein said means for
2 dynamically adjusting comprises means for decreasing
3 allocation of said shareable resource.

1 39. The system of claim 34, wherein said means for
2 dynamically adjusting comprises means for moving at least a
3 portion of said shareable resource from one partition to at
4 least one other partition.

1 40. The system of claim 34, wherein said means for
2 dynamically adjusting comprises means for managing said
3 shareable resource among said two or more partitions based
4 on priority.

1 41. The system of claim 34, wherein said means for
2 dynamically adjusting comprises means for assigning said
3 shareable resource among said two or more partitions based
4 on percentage allocation, wherein each partition of said two
5 or more partitions is assigned a percentage of said
6 shareable resource.

1 42. The system of claim 34, wherein said means for
2 dynamically adjusting comprises means for adjusting
3 allocation of a plurality of shareable resources.

1 43. A system of managing workload of a computing
2 environment, said system comprising:

3 a processor adapted to manage workload across two
4 or more partitions of a plurality of partitions of said
5 computing environment; and

6 wherein said managing comprises dynamically
7 adjusting allocation of a shareable resource of at
8 least one partition of said two or more partitions,
9 wherein workload goals of said two or more partitions
10 are being balanced.

1 44. A system of managing workload of a computing
2 environment, said system comprising:

3 a processor adapted to manage workload across two
4 or more partitions of a plurality of partitions of said
5 computing environment, wherein said two or more
6 partitions concurrently share at least one shareable
7 resource; and

8 wherein said managing comprises dynamically
9 adjusting allocation of said shareable resource of at
10 least one partition of said two or more partitions.

1 45. At least one program storage device readable by a
2 machine, tangibly embodying at least one program of
3 instructions executable by the machine to perform a method
4 of managing workload of a computing environment, said method
5 comprising:

6 managing workload across two or more partitions of
7 a plurality of partitions of said computing
8 environment;

9 said managing comprising dynamically adjusting
10 allocation of a shareable resource of at least one
11 partition of said two or more partitions, wherein
12 workload goals of said two or more partitions are being
13 balanced.

1 46. The at least one program storage device of claim
2 45, wherein said adjusting is performed transparently to
3 work processing within said at one least one partition.

1 47. The at least one program storage device of claim
2 45, wherein said shareable resource comprises at least one
3 of central processing unit resources, logical processor
4 resources, input/output resources, channel resources,
5 coprocessors, network adapters, and memory.

1 48. The at least one program storage device of claim
2 45, wherein said dynamically adjusting comprises moving at
3 least a portion of said shareable resource from one
4 partition to at least one other partition.

1 49. The at least one program storage device of claim
2 45, wherein said dynamically adjusting comprises managing
3 said shareable resource among said two or more partitions
4 based on priority.

1 50. The at least one program storage device of claim
2 45, wherein said dynamically adjusting comprises assigning
3 said shareable resource among said two or more partitions
4 based on percentage allocation, wherein each partition of
5 said two or more partitions is assigned a percentage of said
6 shareable resource.

1 51. The at least one program storage device of claim
2 45, wherein said partitions are logical partitions.

1 52. The at least one program storage device of claim
2 45, wherein said dynamically adjusting comprises adjusting
3 allocation of a plurality of shareable resources.

1 53. The at least one program storage device of claim
2 45, wherein said dynamically adjusting is controlled at
3 least in part by at least one workload manager of said
4 computing environment.

1 54. The at least one program storage device of claim
2 45, wherein said dynamically adjusting comprises increasing
3 allocation of said shareable resource.

1 55. The at least one program storage device of claim
2 45, wherein said dynamically adjusting comprises decreasing
3 allocation of said shareable resource.

1 56. The at least one program storage device of claim
2 45, wherein said dynamically adjusting is performed without
3 a requirement for data sharing.

1 57. An article of manufacture, comprising:

2 at least one computer usable medium having
3 computer readable program code means embodied therein
4 for causing the managing of workload of a computing
5 environment, the computer readable program code means
6 in said article of manufacture comprising:

7 computer readable program code means for
8 causing a computer to manage workload across two
9 or more partitions of a plurality of partitions of
10 said computing environment, wherein said two or
11 more partitions concurrently share at least one
12 shareable resource;

13 said computer readable program code means for
14 causing a computer to manage comprising computer
15 readable program code means for causing a computer
16 to dynamically adjust allocation of said shareable
17 resource of at least one partition of said two or
18 more partitions.

1 58. The article of manufacture of claim 57, wherein
2 said shareable resource comprises at least one of central
3 processing unit resources, logical processor resources,
4 input/output resources, channel resources, coprocessors,
5 network adapters, and memory.

1 59. The article of manufacture of claim 57, wherein
2 workload goals of said two or more partitions are being
3 balanced.

1 60. The article of manufacture of claim 57, wherein
2 said computer readable program code means for causing a
3 computer to dynamically adjust comprises computer readable
4 program code means for causing a computer to increase
5 allocation of said shareable resource.

1 61. The article of manufacture of claim 57, wherein
2 said computer readable program code means for causing a
3 computer to dynamically adjust comprises computer readable
4 program code means for causing a computer to decrease
5 allocation of said shareable resource.

1 62. The article of manufacture of claim 57, wherein
2 said computer readable program code means for causing a
3 computer to dynamically adjust comprises computer readable
4 program code means for causing a computer to move at least a
5 portion of said shareable resource from one partition to at
6 least one other partition.

1 63. The article of manufacture of claim 57, wherein
2 said computer readable program code means for causing a
3 computer to dynamically adjust comprises computer readable
4 program code means for causing a computer to manage said
5 shareable resource among said two or more partitions based
6 on priority.

1 64. The article of manufacture of claim 57, wherein
2 said computer readable program code means for causing a
3 computer to dynamically adjust comprises computer readable
4 program code means for causing a computer to assign said
5 shareable resource among said two or more partitions based
6 on percentage allocation, wherein each partition of said two
7 or more partitions is assigned a percentage of said
8 shareable resource.

1 65. The article of manufacture of claim 57, wherein
2 said computer readable program code means for causing a
3 computer to dynamically adjust comprises computer readable
4 program code means for causing a computer to adjust
5 allocation of a plurality of shareable resources.

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